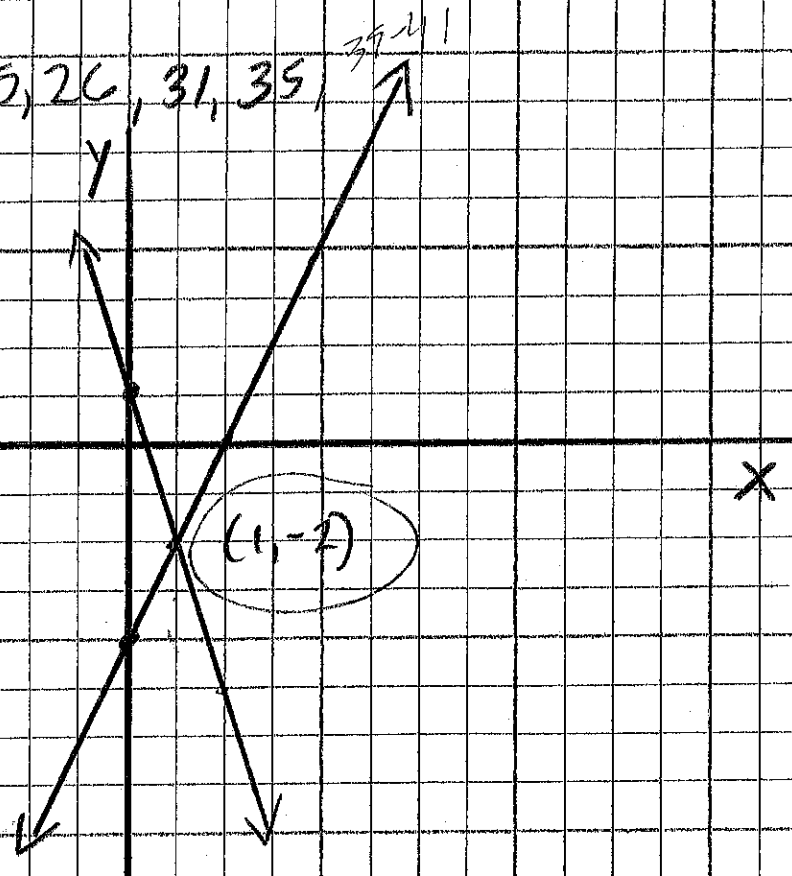


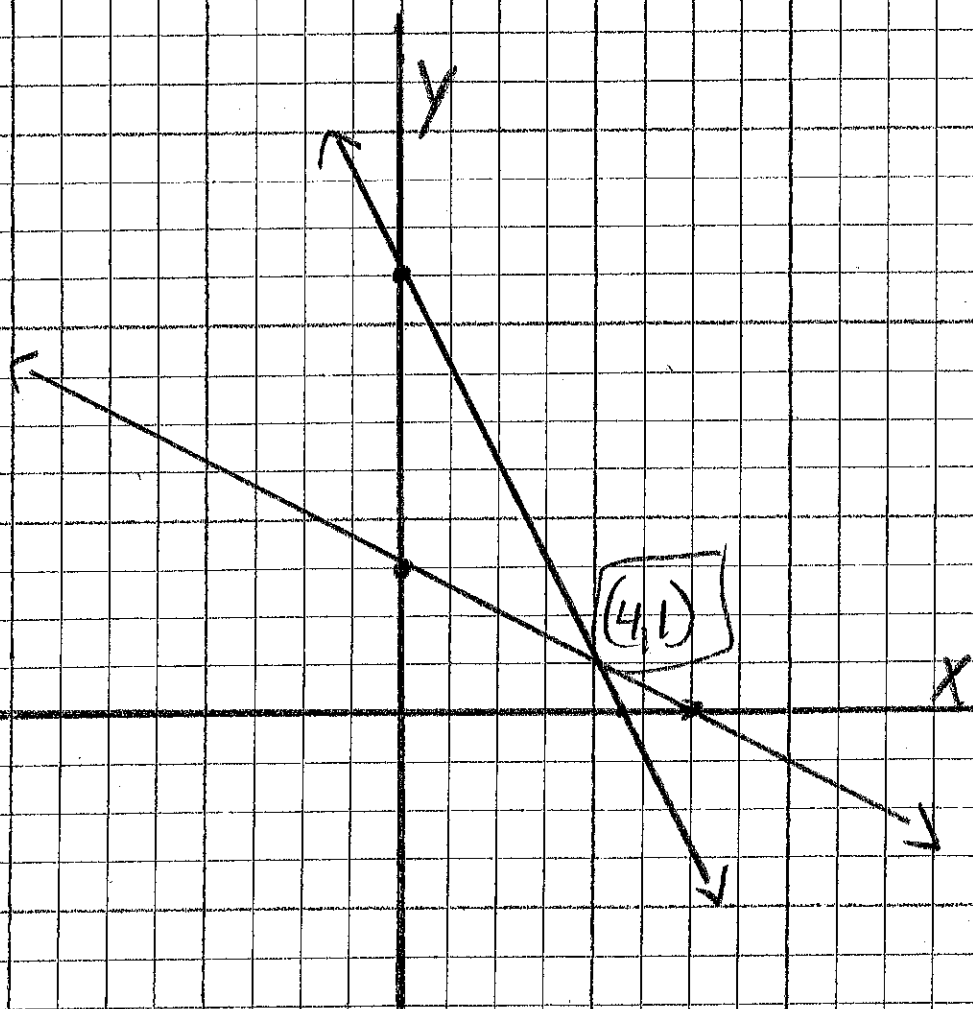
p113 13, 15, 20, 23, 25, 26, 31, 35, 39, 41

13.  $y = 2x - 4$   
 $y = -3x + 1$



15.  $x + 2y = 6$  (0, 3) (6, 0)

$2x + y = 9$  (0, 9)  $(4\frac{1}{2}, 0)$



$$20. \quad 8x - 3y = -3$$

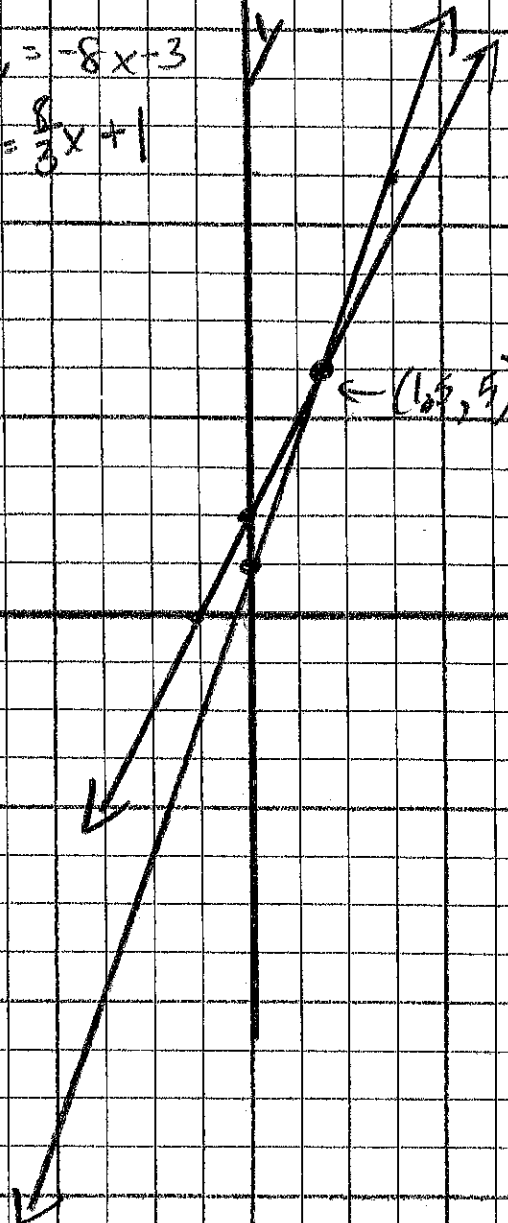
$$4x - 2y = -4$$

$$-2y = -4x - 4$$

$$y = 2x + 2$$

$$-3y = -8x - 3$$

$$y = \frac{8}{3}x + 1$$



$$23. \quad \frac{1}{2}x - y = 0$$

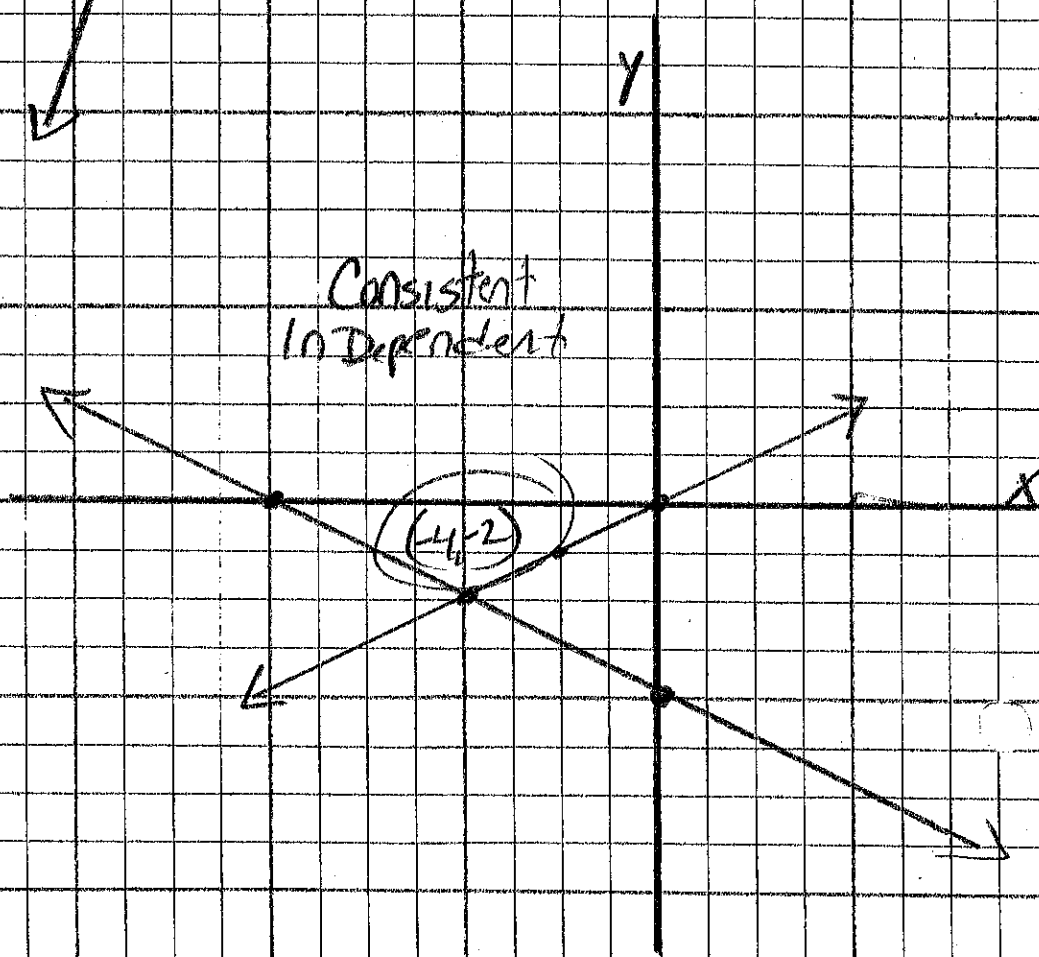
$$\frac{1}{4}x + \frac{1}{2}y = -2$$

$$y = \frac{1}{2}x$$

$$(0, -4)$$

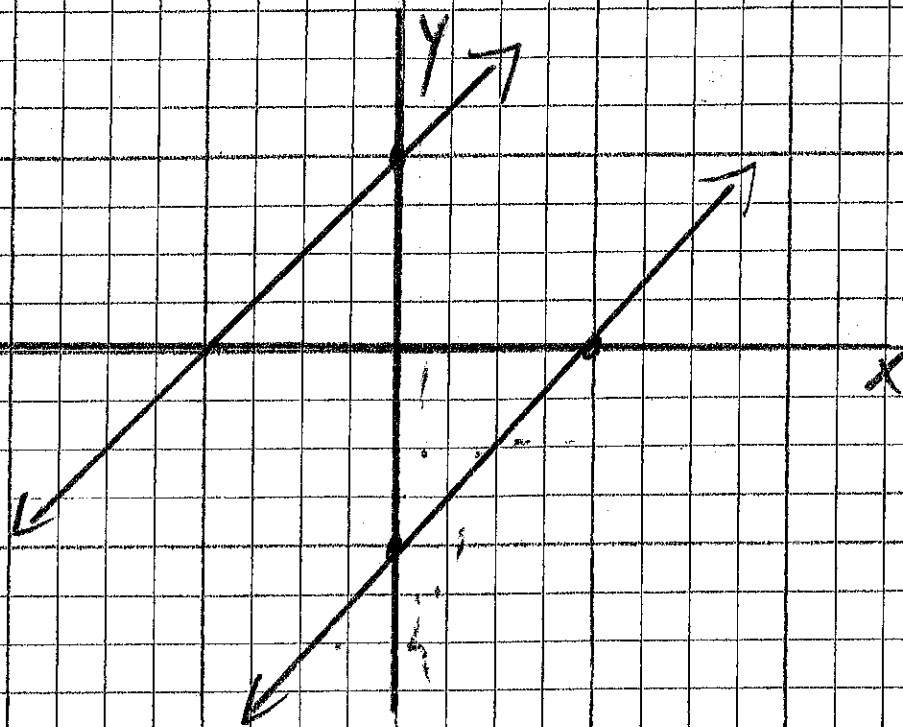
$$(-8, 0)$$

Consistent  
Independent



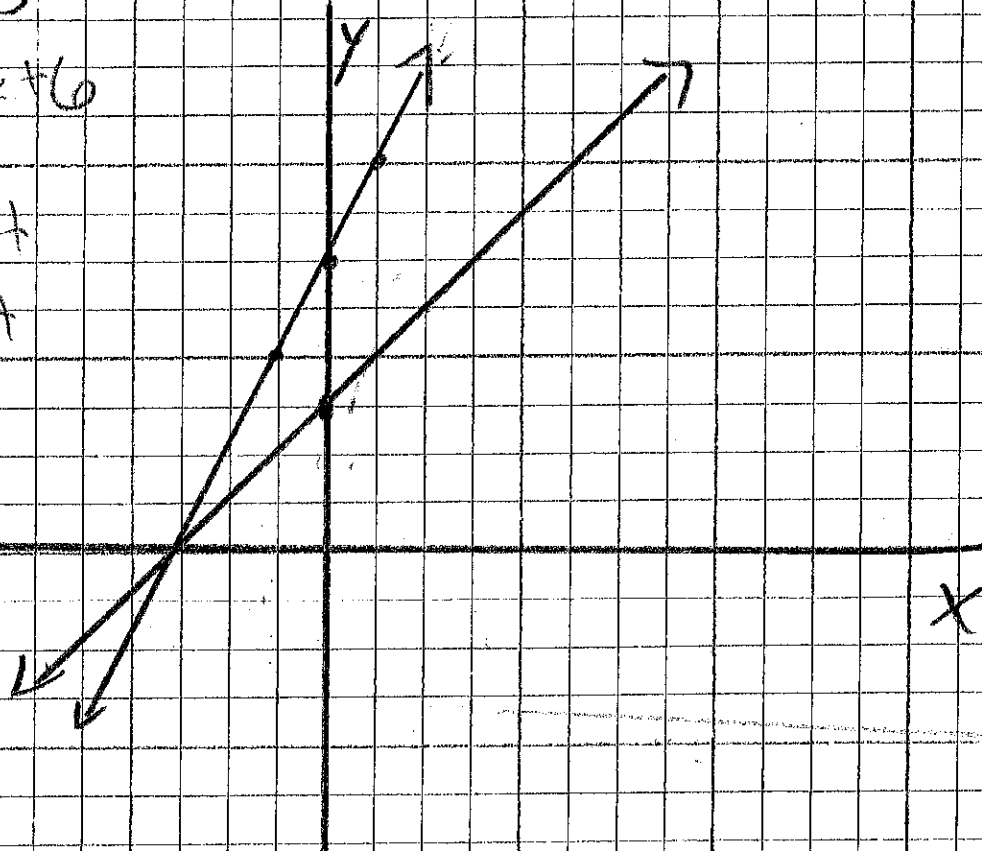
25.  $y = x + 4$   
 $y = x - 4$

Inconsistent



26.  $y = x + 3$   
 $y = 2x + 6$

consistent  
 independent



36.

$$2y = x$$

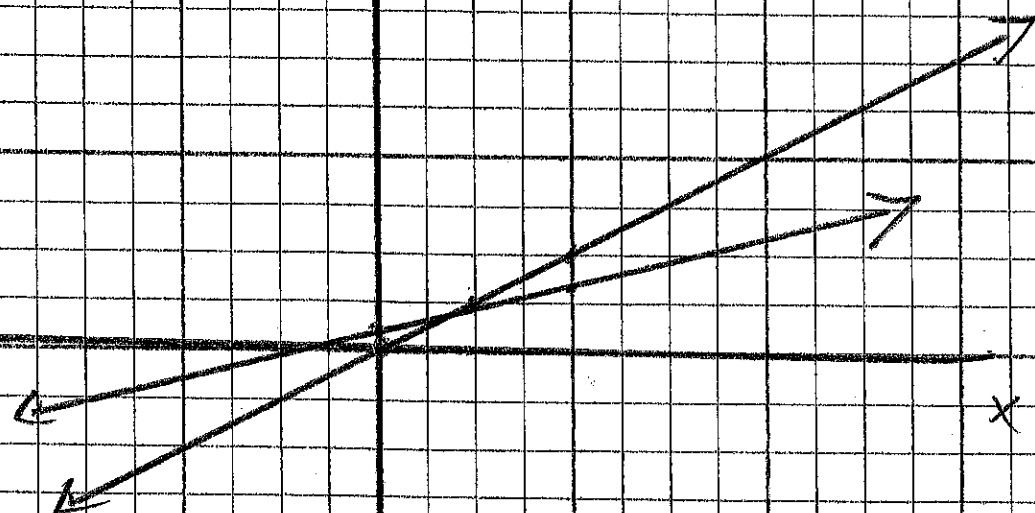
$$y = \frac{1}{2}x$$

$$8y = 2x + 1$$

$$y = \frac{1}{4}x + \frac{1}{8}$$

Consistent

Independent



39.  $2y - x = -2$

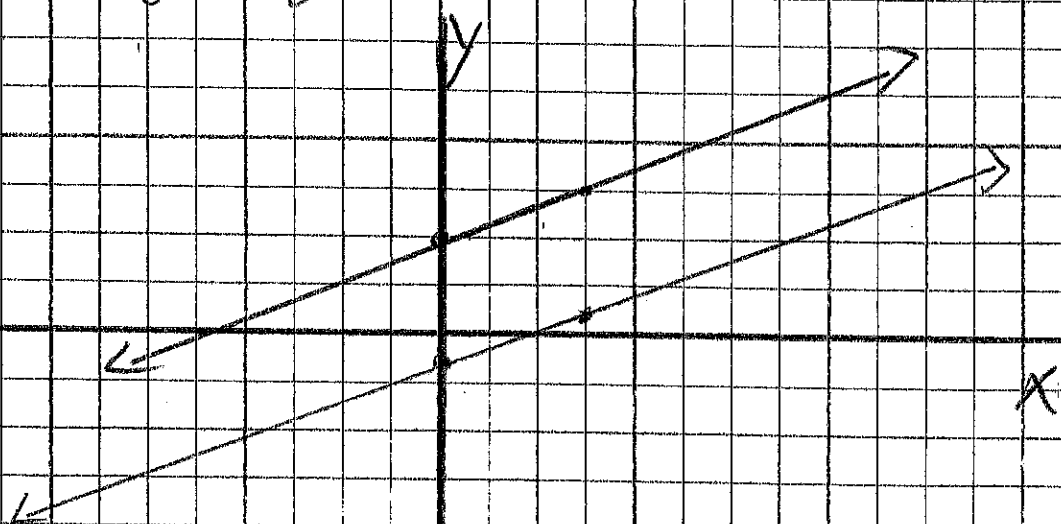
$$3y = x - 2$$

$$y = \frac{1}{3}x - \frac{2}{3}$$

$$y = \frac{1}{3}x + 2$$

$$y = \frac{1}{3}x + 2$$

Inconsistent



39-41.

(39)  $y = 52 + .23x$

$y = 80$

(40)

(41)

Deluxe Plan

80/day is less for 150 mi

